THE SECRETARY OF DEFENSE
ENVIRONMENTAL SECURITY AWARDS CEREMONY

NATURAL RESOURCES CONSERVATION
CULTURAL RESOURCES MANAGEMENT
ENVIRONMENTAL QUALITY
POLLUTION PREVENTION
RECYCLING
ENVIRONMENTAL CLEANUP

Wednesday, April 26, 2000
3:00 p.m. to 4:00 p.m.

Musical Prelude

Introduction of Distinguished Guests

Presentation of Colors

National Anthem

Welcome

Remarks by
Honorable William S. Cohen
Secretary of Defense

Presentation of Awards

NATURAL RESOURCES CONSERVATION
Large Installation, Small Installation, Individual/Team

CULTURAL RESOURCES MANAGEMENT
Installation, Individual/Team

ENVIRONMENTAL QUALITY
Industrial Installation, Non-Industrial Installation, Individual/Team

POLLUTION PREVENTION
Industrial Installation, Non-Industrial Installation, Individual/Team, Weapon System Acquisition Team

RECYCLING
Industrial Installation, Non-Industrial Installation, Individual/Team

ENVIRONMENTAL CLEANUP
Installation, Individual/Team

Reception
Pentagon Dining Room 3B1062
4:00 p.m. to 5:30 p.m.

ABOUT THE AWARDS

OVERVIEW
Each year the Secretary of Defense honors installations, teams, and individuals for outstanding work in DoD environmental programs. We present 17 environmental security awards within six categories, including:

- Natural Resources Conservation
- Cultural Resources Management
- Environmental Quality
- Pollution Prevention
- Recycling
- Environmental Cleanup

NATURAL RESOURCES CONSERVATION AWARD
Since 1962, we have recognized outstanding work in the conservation of natural resources. We manage these resources to support the military mission, protect our national heritage, and promote quality of life.

CULTURAL RESOURCES MANAGEMENT AWARD
Since 1962, we have recognized outstanding work in the management of cultural resources. We protect historic buildings, archeological sites, and Native American items and sites, as we support the military mission.

ENVIRONMENTAL QUALITY AWARD
Since 1973, we have recognized outstanding work to control air, water, land, and noise pollution.

POLLUTION PREVENTION AWARD
Since 1993, we have recognized outstanding work to reduce pollution at the source by reducing the use of hazardous materials and conserving raw materials, energy, and water.

RECYCLING AWARD
Since 1994, we have recognized outstanding work to avoid landfill use and associated costs, and to create new products from recycled materials.

ENVIRONMENTAL CLEANUP AWARD
Since 1994, we have recognized outstanding work to accelerate cleanup, use innovative technologies, and develop partnerships to remove threats to human health and the environment caused by past operations on DoD lands.

NATURAL RESOURCES CONSERVATION

LARGE INSTALLATION NOMINEES

ARMY—Winner

US Army Training Center & Fort Jackson, South Carolina, has seen remarkable progress in natural resources conservation during the last three years. The installation remediated 40 severely eroding sites to enhance military training lands and improve water quality. It also converted 4,012 acres of land to Longleaf Pine, which provides an ideal training environment for the military. The installation's endangered species work has almost doubled the number of endangered Red-cockaded Woodpeckers on the installation land since 1996. Clearly, this successful program exemplifies the motto of Fort Jackson—*Victory Starts Here!*

MARINE CORPS—Honorable Mention

Marine Corps Base Camp Lejeune, North Carolina, Forestry Division salvaged 17 million board feet after hurricane disasters, and then an additional 17 million board feet from the resulting southern pine beetle infestation. During fiscal years 1997-99, they reforested more than 3,000 acres with more than 1 million containerized longleaf seedlings grown from collected seed. They selected Longleaf pine, a native tree and the preferred tree of the endangered red cockaded woodpecker, because of its tolerance of fire and natural resistance to insects, disease, and windthrow. The Base's red cockaded woodpecker plan, finalized and signed by the Commanding General in fiscal year 1999, protects the future of the woodpecker with its current 50 active clusters. Conservationists consider this as one of the highest avian success rates in the United States. In addition, a new Sedimentation, Erosion, and Land Stabilization Working Group has begun stabilizing 12 sites as well as one mile of beachfront with sand fencing. On its central and largest of four hunting areas, the Base established a new Quality Deer Management program to determine its effectiveness for the other three hunting areas at Camp Lejeune.

NAVY—Honorable Mention

Naval Submarine Base Kings Bay, Georgia, has partnered with the U.S. Fish and Wildlife Service, the Florida Freshwater Fish and Game Commission, and the Georgia Department of Natural Resources in numerous projects, including: (a) radio-tagging and tracking for manatee research, (b) protection of northern right whales and sea turtles in inshore and near-shore waters, (c) support of wood stork research, and (d) management of breeding habitats for migratory birds. Accomplishments include: (a) the creation of two salt marsh mitigation areas, (b) installation of both a wood stork rookery and feeding area, (c) installation of least tern protective devices, and (d) the initiation of a vital shoreline stabilization project on nearby Cumberland Sound.

AIR FORCE—Honorable Mention

US Air Force Academy, Colorado, partnered with the United States Fish and Wildlife Service, Fort Carson, and Texas A&M University to replace chemical treatment of noxious weeds with Colorado-acclimated weed-eating insects. It redrafted the base general plan to include the consideration of sensitive habitat as a first-tier decision factor and persuaded the US Fish and Wild Life Service to accept a programmatic biological assessment that cut the regulatory process from 120 days to 14. By closing and restoring one and one-half miles of unauthorized roads, the Academy expanded wildlife zones and reduced sediment transport. It established a tree farm with more than 4,000 seedlings and established 5,000 willows to enhance riparian corridors.

NATURAL RESOURCES CONSERVATION

SMALL INSTALLATION NOMINEES

ARMY—Winner

Hawaii Army National Guard, through partnerships with military units, private landowners, and public agencies, launched a significant effort to protect Hawaii's fragile environment while supporting the Guard's military training mission. This program helped recover 25 rare, threatened, and endangered species by using a newly created in-house staff, geographic information systems, and innovative partnerships, while realizing cost savings of nearly $200,000. The Guard also developed innovative fire-management and irrigation techniques that could significantly improve conservation programs around the world.

MARINE CORPS—Honorable Mention

Marine Corps Recruit Depot Parris Island, South Carolina, continues to preserve and enhance ecosystem integrity and sustain both biological diversity and continued availability of those resources for the military mission and other human activities. When a pair of Bald Eagles built a nest within 600 meters of a fuel facility that was under construction, Parris Island led a cooperative effort that eventually led to the successful nesting seasons and completion of the fuel facility. At present, the Depot is developing a zone management plan for the nest site. This plan will review and address all current and proposed activities within the primary and secondary zones that could possibly impact the success of the eagles during the nesting season. Parris Island's impressive forestry program grossed over $86,000 while supporting the training mission and other multi-land use functions. The Depot gave 40 percent of these funds to Beaufort County to support improvements for schools and roads—without disruption of timber management or loss of timber sales.

NAVY—Honorable Mention

Naval Air Station Patuxent River, Maryland, balanced technology with nature by protecting precious natural resources, through wildlife monitoring and management, while enhancing the Navy mission. For example, employment of a Bird Aircraft Strike Hazard program resulted in zero deer/aircraft strikes at the Air Station since April 1996.

AIR FORCE—Honorable Mention

Robins Air Force Base, Georgia, used a global positioning system to map rare plant sites and then developed comprehensive management plans to protect them. It established base policies protecting urban trees from destruction and made all locations of wetlands, rare plants, unique plant communities, and other valuable natural resources information conveniently available in its geographic information system. The Base's oversight of the pest control program contributed to an 80 percent reduction in the use of pesticides over the last three years. Designated a "Tree City USA" for six years, Robins won the Tree City USA Growth Award for the last two years. It erected more than 300 nesting and roosting boxes on the installation and thinned 75 acres of pine trees to promote sawtimber growth and improve wildlife habitats. The Base re-delineated installation wetlands and designed a nature trail, complete with interpretive signs, to promote environmental awareness. Robins also conceived, organized, and hosted the first workshop for the management of natural resources on small, urban Air Force bases.

NATURAL RESOURCES CONSERVATION

INDIVIDUAL/TEAM NOMINEES

ARMY—Winner

Fort McCoy, Wisconsin's Natural Resources Team developed an overlay map from 1997-1999 that gave units an easy way to accommodate environmental concerns when planning training exercises. The Team also closed the Explosive Ordnance Disposal open-denotation site in 1999, saving Fort McCoy $400,000. They partnered with numerous research organizations to conduct Karner blue butterfly research on Fort McCoy. Following a severe windstorm, the Team harvested 16,662 cords and 1,001,000 board feet of timber (more than four times the average annual harvest) from 2,588 wind-damaged acres, yielding $340,000. Other efforts improved trout habitat and reduced streambank erosion at Tarr and Silver Creeks. In addition, the Team conducted a water-quality study that pointed to pollution coming from outside of the installation. As a result, the State of Wisconsin allocated funds to address the problem. Also during the award period, the Team began research on the Blanding's turtle, a State-threatened species; hosted numerous community outreach programs; and maintained healthy fish and wildlife populations for biodiversity and recreational needs.

MARINE CORPS—Honorable Mention

Mr. John Luce, Marine Corps Air Station Beaufort, South Carolina, is responsible for the forestry, fish and wildlife, endangered species, wetland compliance, and outdoor recreation management of 12,106 acres associated with the Station and surrounding areas. His archaeological surveys resulted in the identification of 189 archeological sites, 48 of which are, or potentially, eligible for the National Register of Historic Places. Mr. Luce partnered Beaufort and the local chapter of Boy Scouts of America to install an aeration system in the Station's ponds to prevent fish kills. He conducts a fishing rodeo for children of the Beaufort community annually. Through Mr. Luce's efforts, increased use of volunteer game wardens, student interns, scouts, and other interested Station personnel resulted in significant cost savings.

NAVY—Honorable Mention

Naval Weapons Station Yorktown, Virginia, developed timber management policies resulting in the establishment on base of a marketable standing timber resource valued at over $7.5 million. In the past three years, the Station's hunting and fishing programs provided over 60,000 hours of recreation. The Yorktown Team worked closely with the Virginia Institute of Marine Science to establish an artificial oyster reef in Felgates Creek to help restore the Chesapeake Bay's water filtering function. It was also instrumental in planning and executing the planting of over 125,000 trees and shrubs, at minimal cost to the Station.

AIR FORCE—Honorable Mention

Mr. David Nutt, Royal Air Force Mildenhall, United Kingdom, developed and executed field support for two successful natural resources surveys, ensuring that all future base planning will support the protection and stewardship of natural resources. He developed a new Intranet resource site, used by planners in Engineering and Operations Flights. Mr. Nutt was the moving force behind the creation of USAFE's first fully functioning environmental geographic information system database and software program, a user-friendly tool that has become the benchmark for all other USAFE bases. He planned and coordinated community outreach programs to involve members of the installation and surrounding communities in Earth Day celebrations and environmental improvement and awareness projects.

DEFENSE LOGISTICS AGENCY—Honorable Mention

Mr. Dennis M. Lynch, Defense National Stockpile Center, Defense Logistics Agency, Virginia, is restoring 62 acres of open fields to native prairie and providing for future management of 100 acres of restored prairie at the Defense National Stockpile Depot, New Haven, Indiana. He coordinated the effort with the Department of Agriculture, a commercial consultant, and depot personnel. His project will provide habitat

for native plants and animals, protect surface waters, and generally enhance the aesthetic value of the surrounding area. It will also reduce ground maintenance cost and pesticide usage. The program will use innovative techniques such as controlled burning.

NATURAL RESOURCES CONSERVATION JUDGES

Mr. Don Berry
US Department of the Interior
Mr. Alan Front
The Trust for Public land
Mr. Chad Williams
Nevada Indian Environmental Coalition

PAST INSTALLATION WINNERS
NATURAL RESOURCES CONSERVATION

1998 Camp Ripley, Army National Guard, Minnesota
1998 US Army Garrison, Fort Belvoir, Virginia
1997 Fort Stewart/Hunter Army Airfield, Georgia
1997 Naval Submarine Base Kings Bay, Georgia
1996 Fort Carson and Pinon Canyon Maneuver Site, Colorado
1996 Naval Surface Warfare Center, Indian Head, Maryland
1995 Tyndall Air Force Base, Florida
1995 Marine Corps Base Hawaii
1994 Naval Air Warfare Center, Patuxent River, Maryland
1993 Eglin Air Force Base, Florida
1992 Twin Cities Army Ammunition Plant, Minnesota
1991 Marine Corps Base Camp Lejeune, North Carolina
1990 Fort Belvoir, Virginia
1989 Fort Sill, Oklahoma
1988 F.E. Warren Air Force Base, Wyoming
1987 Goldwater Air Force Range, Arizona
1986 New Boston Air Force Station, New York
1985 Beale Air Force Base, California
1984 Robins Air Force Base, Georgia
1983 Fort Huachuca, Arizona
1982 Indian Island Annex, Keyport, Naval Engineering Station, Washington
1981 Fort McCoy, Wisconsin
1980 Tobyhanna Army Depot, Pennsylvania
1979 Fort Huachuca, Arizona
1978 Naval Air Station Chase Field, Texas
1977 Fort Sill, Oklahoma
1976 Griffiss Air Force Base, New York
1975 Marine Corps Base Camp Lejeune, North Carolina
1974 Barksdale Air Force Base, Louisiana
1973 Fort Campbell, Kentucky
1972 Marine Corps Base Camp Lejeune, North Carolina
1971 Marine Corps Base Camp Pendleton, California
1970 Tyndall Air Force Base, Florida
1969 Camp Pickett, Virginia
1968 Marine Corps Base Camp Lejeune, North Carolina
1967 Red River Army Depot, Texas
1966 Fort Rucker, Alabama
1965 Naval Weapons Station Yorktown, Virginia
1964 Tyndall Air Force Base, Florida
1963 Eglin Air Force Base, Florida
1962 Fort Knox, Kentucky

CULTURAL RESOURCES MANAGEMENT

INSTALLATION NOMINEES

ARMY—Winner

Fort Riley, Kansas, achieved several major accomplishments from 1997-1999 that have benefited the installation through cost savings, improved soldier safety, and increased awareness of cultural resources. Among the most notable accomplishments are the development and implementation of Native American Graves Protection Act Standard Operating Procedures and completion of a Comprehensive Agreement with the Kaw (Kansa) Nation of Oklahoma. Nearly all FORSCOM installations use both documents as templates. The installation's program will continue to protect and preserve Fort Riley's history for tomorrow's generation while providing a safe and useful training environment for the military mission.

MARINE CORPS—Honorable Mention

Marine Corps Base Camp Pendleton, California, has made significant strides in its management of cultural resources over the past three years. The Camp inventories over 600 archaeological sites and evaluated 160 for eligibility for inclusion onto the National register. Innovative survey approaches achieved a ten-fold increase in the accuracy of their archaeological site surveys. They also developed a Base-wide cultural history and a "turnkey" geographic information system that provides a database of all recorded sites.. The Camp took measures to stabilize the Las Flores historic ranch house and entered an agreement with a local curation facility to curate and update all Camp Pendleton artifact collections. Finally, they established contacts and consultation with representatives of six reservations in proximity to the Camp.

NAVY—Honorable Mention

Naval Station Bremerton, Washington, is the first Navy facility to receive the Washington State Historic Preservation Officer's Award for Outstanding Achievement in Historic Preservation. The Naval Station designed new buildings, inside and adjacent to its historic districts, to complement the historic character of the Station. It completed a rehabilitation project that refurbished all the historic homes at the Station.

AIR FORCE—Honorable Mention

Nellis Air Force Base, Nevada, manages several hundred cultural resource sites for preservation on the more than 3.1 million-acre Nellis Range. The Base completed an archaeological inventory of the 2,500-acre Antelope Valley Dry Lake complex and located artifacts dating back 5,000 years. It completed a Cold War inventory that placed three installation structures on a list for potential nomination to the National Register of Historic Places. Nellis incorporated all cultural preservation requirements into installation decision making. The Base enhanced relations with 16 regional Native American tribes, having ancestral ties to the Nellis Range, through this process. Community involvement and education have blossomed at Nellis. For example, it features hands-on displays and exhibits of regional artifacts and ancient ceramics obtained from Nellis sites.

DEFENSE LOGISTICS AGENCY—Honorable Mention

Defense Supply Center Richmond, Defense Logistics Agency, Virginia, uncovered the remains of six African-Americans at a construction site. The Center teamed with the local community, the State historic preservation office, archeologists, the Corps of Engineers, and a local university in an effort to identify the remains and provide appropriate reburial. Experts conducted field and laboratory analyses; and historical specialists, aided by local community volunteers, searched archives, wills, deeds, and census records back to the mid-1800s to determine who the people were and when they died. The Center consulted local church members and notified area residents concerning the search. However, after months of research the Center was unable to identify the remains and re-interred them in a specially prepared plot near their discovery place.

CULTURAL RESOURCES MANAGEMENT

INDIVIDUAL/TEAM NOMINEES

ARMY—Honorable Mention

Fort Irwin and the National Training Center, California, surveyed nearly 60 square kilometers and recorded more than 50 archaeological sites in-house from 1997 to 1999, saving Fort Irwin more than $200,000. The Cultural Resources Team recorded a total of 582 sites on Fort Irwin since 1986. Of that amount, the Team recorded 51, or 22%, in 1998, and 85, or 36%, in 1999. Outreach activities included briefings and site tours for military units, seven articles about the Cultural Resources Program in the Fort Irwin newspaper, and meetings for installation personnel and spouses. These and other accomplishments from 1997 to 1999 illustrate the Fort Irwin Cultural Resources Team's dedication and expertise, and promise a thriving Cultural Resources Program for Fort Irwin in the future.

MARINE CORPS—Honorable Mention

Mr. Stan Berryman, Marine Corps Base Camp Pendleton, California, is responsible for the identification and protection of prehistoric cultural resources and historic archaeological resources located on over 125,000 acres which comprise Camp Pendleton. In 1996, the Base had surveyed less than 25 percent of the acreage required under Section 110 of the National Historic Preservation Act. By 1999, Mr. Berryman surveyed 75 percent of the non-live fire impact areas or 84,750 acres. He also directed development of a geographic information system program to facilitate record keeping, project related consultations, and funding decisions. Mr. Berryman regularly conducts staff level consultation with 19 Federally recognized Native American tribes within the Camp Pendleton region.

NAVY—Honorable Mention

Ms. Danielle Huey, Southwest Division, Naval Facilities Engineering Command, California, facilitated the award and execution of an innovative indefinite quantity cultural resource management contract that saves the Division $500,000 per year. She is developing a Comprehensive Plan under the Native American Graves Protection and Repatriation Act for Camp Pendleton. Finally, Ms. Huey is creating a large-scale partnership program with Native Americans in the Southwest US.

AIR FORCE—Winner

Mr. Robert R. Peterson, Vandenberg Air Force Base, California, found evidence of Chumash Indian cave paintings and carvings during an excavation which are 3,000 years old—2,000 years older than any previously discovered. During this process, he successfully abated water and dust damage to the cave and significantly improved it both as a cultural site and as a community and tribal resource. Mr. Peterson's archaeological survey report added 2,200 properties to the list of known sites, enabling planners to avoid encroachment. His historical preservation plans provide meticulous and focused assets for base managers, particularly fire fighting professionals, who can now avoid impact to historic properties during wildfire suppression.

CULTURAL RESOURCES MANAGEMENT JUDGES

Mr. John Fowler
Advisory Council on Historic Preservation
Dr. Julia King
Maryland Archaeological Conservation Laboratory
Ms. Nelli Longsworth
Preservation Action

PAST INSTALLATION WINNERS
CULTURAL RESOURCES MANAGEMENT

1998 Vandenberg Air Force Base, California
1997 Fort Hood, Texas
1996 Fort Carson and Pinon Canyon Maneuver Site, Colorado

ENVIRONMENTAL QUALITY

INDUSTRIAL INSTALLATION NOMINEES

ARMY—Honorable Mention

Tobyhanna Army Depot, Pennsylvania, has a history of exceptional environmental stewardship. In the 1990s, National, State, and local organizations recognized the depot 23 times. From FY 1997 to FY 1999, Tobyhanna made even more gains in environmental quality through reduced program costs and improved safety, efficiency, and facilities. The depot's environmental program accomplishments contributed to Tobyhanna being awarded the 1998 Army Communities of Excellence Award and also contributed to the depot being one of six Department of the Army nominees for the Presidential Quality Award.

MARINE CORPS—Honorable Mention

Marine Corps Air Station Cherry Point, North Carolina, succeeded in reducing toxic chemical releases to the environment by 87 percent from calendar year 1994 to 1999. This reduction is due in part to improved material management, material substitution, and process modifications. By recycling more than 20.9 million pounds of materials, Cherry Point's Qualified Recycling Program (QRP) generated over $1.2 million for the Air Station since the program began. Total income and cost avoidance for the last two years from pollution prevention and recycling programs amounted to $6,659,176. During 1998 and 1999, over 3,000 people received training at Cherry Point through informal and formal classroom programs on topics including pollution prevention, waste reduction management techniques, and environmental stewardship.

NAVY—Honorable Mention

Puget Sound Naval Shipyard, Washington, made significant strides in spill prevention, hazardous waste minimization, solid waste management, and air and water pollution prevention. These improvements resulted in: (a) reduction of shipyard-responsible spills from 26 in 1995 to one in 1999, (b) elimination of 185 million pounds of solid waste, (c) 30 percent reduction of hazardous waste water, and (d) significant reductions of volatile organic compound emissions.

AIR FORCE—Winner

Patrick Air Force Base, Florida, saved more than $50,000 by turning two million pounds of railroad ties and utility poles into usable mulch. It redirected industrial wastewater discharges from the Banana River to a sanitary sewer, significantly improving the water quality in the Florida Water and National Marine Estuary. In the area of cleanup, the Base tested more than 28 different innovative technologies at 15 different sites providing an additional $3 million to the installation's cleanup program. It established universal waste accumulation areas for nickel cadmium batteries and fluorescent lamps to eliminate more than 25,000 pounds in these two important categories. An aggressive pollution prevention program reduced the EPA's list of 17 chemicals by 67 percent on the Base, reduced the levels of Class I ozone depleting substances by 81 percent, and reduced Air Force listed pesticides by 68 percent from the Base's 1992 baseline levels. Patrick's partnering efforts lead to a 40 percent reduction in the number of construction permits needed for water and sewage work and reduced the landfill closure cap and requirement from 10 to four acres.

ENVIRONMENTAL QUALITY

NON-INDUSTRIAL INSTALLATION NOMINEES

ARMY—Honorable Mention

HQ III Corps and Fort Hood, Texas, researched bioremediation of on-site soils contaminated by petroleum, oil, and lubricants; expanded recycling operations to 30 tons per day; and implemented the Hazardous Substance Management System (HSMS). Fort Hood also managed the energy conservation program, which has yielded millions of dollars in savings. The installation collected 39 tons of waste and 28 tons of recyclable material through fall and spring cleanups. Fort Hood also completed its Underground Storage Tank Program, completed its accelerated Restoration Program, continued its pilot program for using compressed natural gas as an alternative fuel, and researched and developed various innovative technologies that are now commercially available to other installations with similar needs. Fort Hood's accomplishments received numerous awards in FY 1998 and FY 1999, further illustrating its commitment to meeting challenges head-on and continuing to be a major player for environmental stewardship in the 21st century.

MARINE CORPS—Winner

Marine Corps Base Hawaii "turns challenges into opportunities to excel." One of the challenges the Base faces is eliminating or minimizing the volume and toxicity of hazardous substances and hazardous waste generated through improved hazardous material and hazardous waste management. MCB Hawaii excelled in meeting this challenge, diverting over 135,000 pounds of hazardous waste resulting in a cost avoidance of $596,000 for hazardous material procurement and hazardous waste disposal. MCB Hawaii also met the challenge of groundwater protection by removing over 100 underground storage tanks and eliminating pathways for potential groundwater contamination. After removing the tanks, they treated over 6000 cubic yards of petroleum-contaminated soil at the base landfarm, saving over $300,000 while allowing reuse of the soil as backfill.

NAVY—Honorable Mention

Naval Air Engineering Station Lakehurst, New Jersey, achieved a 39 percent reduction in its hazardous waste disposal rate and raised its recycling rate 60 percent over the last three years. It awarded a contract to convert 33 buildings to natural gas—which will reduce air emissions by 50 percent. In 1999, Lakehurst won the New Jersey Department of Environmental Protection (NJDEP) recycling award. Finally, it was the first organization in New Jersey to apply for the new NJDEP Silver Track Program that provides for "smart" permits and regulatory flexibility.

AIR FORCE—Honorable Mention

Fairchild Air Force Base, Washington, saved $300,000 by instituting an aggressive system of reviews to complete seven environmental assessments, 11 phase one environmental baseline surveys, and more than 2,500 categorical exclusions. Fairchild continued an enviable record by posting its 11th year with no hazardous waste violations. Compliance findings dropped 23 percent from the previous year. It reduced hazardous wastes by 90 percent from the 1992 baseline and toxic 17 chemicals by 76 percent. The Base won the 1998 Washington Governor's Award for Outstanding Achievement in Pollution Prevention in 1998 and instituted a commuter trip reduction program that reduced Base commuters' air emissions by 45 percent. Fairchild also won the Washington Department of Ecology's Best Federal Facility Program Award in 1999 for waste prevention, reduction, and recycling. The Base restored three acres of wetland damaged 30 years ago and increased the population of State listed threatened or endangered plants by 700 percent.

ENVIRONMENTAL QUALITY

INDIVIDUAL/TEAM NOMINEES

ARMY—Honorable Mention

US Military Academy, West Point, New York, thanks to its Environmental Quality Team, is the first Army installation to participate in EPA's Environmental Management Review and is participating in the DOD's ISO 14000 Pilot Program. The Team eliminated 1,090 tons of chlorofluorocarbons, 100 pounds of halon, the use of chlorine gas, and water leaks totaling 200,000 gallons daily. Initiatives such as these save the installation more than $124,000 annually. Moreover, the recycling program increased collections by 59% in 1999, generating savings of $107,106 for West Point.

MARINE CORPS—Honorable Mention

Mr. Dan Goodman, Marine Corps Air Station New River, North Carolina, is the only environmental engineer at this small installation environmental office. During the past three years, six hurricanes hit New River, causing severe shoreline erosion. After the first year's events, Mr. Goodman developed an emergency supplemental project to restore and stabilize approximately 5,000 lateral feet of shoreline in four separate areas. He discovered several archeological sites during the environmental impact assessment process. In addition, Mr. Goodman integrated geographic information system applications into environmental planning at Marine Corps Air Station New River.

NAVY—Winner

Navy Environmental Leadership Program Management Team, Navy Region Southwest, California, is responsible for initiating, coordinating and reviewing new and innovative technology and management projects, including cleanup, compliance, conservation, pollution prevention, and information technology. The Team has implemented 26 projects and eight partnerships, and has won numerous environmental awards.

AIR FORCE—Honorable Mention

Mr. Terry L. Madewell, Shaw Air Force Base, South Carolina, overhauled the Base's approach to environmental impact analysis work to ensure that all persons on base were involved and aware of their roles and responsibilities in the process. Working with base planners, he developed a comprehensive urban forestry plan. He convinced Federal regulators to approve his plan to use habitat management techniques to move an endangered species away from impact areas in a manner that would allow the Base to continue meeting essential mission requirements. Mr. Madewell identified a unique wetlands area in base housing which the community now uses as an educational resource, ensuring its long-term safety.

DEFENSE LOGISTICS AGENCY—Honorable Mention

Mr. William P. Middleton, Defense Energy Support Center, Defense Logistics Agency, Virginia, prepared the Worldwide Environmental Guide for Fuel Terminals. DoD fuels facility operators worldwide use the guide to ensure compliance with environmental rules and regulations. It fills the need for a single, easy-to-use reference that covers all aspects of fuel operations. The Guide has won critical acclaim from technical communications groups and the Military Services, and leading private sector companies have used it as a prototype. It won "Best of Show" award at a recent competition that included major international corporations. The Guide has proven to be a deterrent to regulatory enforcement actions and an aid to users in managing and accomplishing the DoD fuel supply mission. Mr. Middleton's leadership was essential to the successful development of this innovative tool.

ENVIRONMENTAL QUALITY JUDGES

Dr. Ken Malmberg
United States Coast Guard
Ms. Rebecca G. Moser
US Environmental Protection Agency
Ms. Elissa Parker
Environmental Law Institute

PAST INSTALLATION WINNERS
ENVIRONMENTAL QUALITY

1998 Indian Head Division, Naval Surface Warfare Center, Maryland
1998 Luke Air Force Base, Arizona
1997 Naval Aviation Depot North Island, California
1997 Fort Sill, Oklahoma
1996 Naval Surface Warfare Center, Indian Head, Maryland
1996 Luke Air Force Base, Arizona
1995 Eglin Air Force Base
1995 USAF Hurlburt Field, Florida
1994 Robins Air Force Base, Georgia
1993 Fort Campbell, Kentucky
1992 Hill Air Force Base, Utah
1991 Naval Air Station Patuxent River, Maryland
1990 Tinker Air Force Base, Oklahoma
1989 McChord Air Force Base, Washington
1988 Tooele Army Depot, Utah
1987 Vandenberg Air Force Base, California
1986 Pine Bluff Arsenal, Arkansas
1985 Fort Lewis, Washington
1984 Marine Corps Air Station Kaneohe Bay, Hawaii
1983 Luke Air Force Base, Arizona
1982 Fort McClellan, Alabama
1981 Hill Air Force Base, Utah
1980 Marine Corps Base Camp Lejeune, North Carolina
1979 McClellan Air Force Base, California
1978 Fort Sill, Oklahoma
1977 Marine Corps Base Camp Pendleton, California
1976 Marine Corps Air Station Kaneohe Bay, Hawaii
1975 Naval Air Training Center Patuxent River, Maryland
1974 Eglin Air Force Base, Florida
1973 Fort Sill, Oklahoma

POLLUTION PREVENTION

INDUSTRIAL INSTALLATION NOMINEES

ARMY—Winner

Radford Army Ammunition Plant, Virginia, has reduced generation of hazardous waste by hundreds of thousands of pounds by selling demilitarized MK90 material to a commercial explosives manufacturer, implementing a smaller MK90 extrusion die, and reducing disposal of DNT–laden wastewater. FY 1998–99 saw the implementation of several projects that will reduce waste and achieve long-term cost savings. These projects include process improvements for reduced sulfates and nitrates, use of alternative open burning ground pan liners, process efficiency improvements to eliminate a hazardous waste or reduce quantities, and material substitutions to replace toxic materials in products. Radford's accomplishments have resulted in over 10 million pounds of waste reduced and recycled in FY 1998–99, with cost savings of $3.1 million.

NAVY—Honorable Mention

Naval Intermediate Maintenance Facility Pacific Northwest, Washington, supported repairs and maintenance to surface ships and submarines at a high operational tempo while reducing the overall cost of hazardous material management by $500,000. The Facility's Paint Distribution Center improved working conditions for sailors and reduced waste by 75 percent. It developed the "Navy Oxygen Cleaning Process" that has resulted in eliminating emissions of 1,500 pounds of Freon annually. The Facility's invention of the best available control technology for lead paint removal from ships' hulls eliminated hazardous waste, improved worker safety, and saved $500,000 for each ship repaired and maintained.

AIR FORCE—Honorable Mention

Patrick Air Force Base, Florida, purchased 16 high-volume, low-pressure paint spray guns, three solvent recycling units, and eight closed recirculating paint gun washers; saved $113,500; and amortized the investment in less than six months. The Base reduced the use of: (a) the 17 EPA-listed chemicals by 67 percent, (b) class one ozone depleting substances by 81 percent, and (c) Air Force listed pesticides by 68 percent from 1992 baselines. Patrick recycled 30,000 tons of concrete and 100 tons of steel from the base landfill at no cost to the Government. Through the purchase of a state-of-the-art can crusher, the Base recycled more than 15 tons of metal from oil filters, and paint, solvent, and aerosol cans. In addition, Patrick installed an innovative bullet trap system for a renovated firing range that facilitates lead collection for recycling.

POLLUTION PREVENTION

NON-INDUSTRIAL INSTALLATION NOMINEES

ARMY—Winner

HQ III Corps and Fort Hood, Texas, prevents generation of solid waste, wastewater, and air emissions through source reduction, reuse, and recycling. In the last two years, Fort Hood has successfully eliminated more than 8 million pounds of hazardous/state regulated waste per year, which avoided disposal costs of more than $2,000,000. The installation recycled more than 10,000 tons of solid waste, which generated almost $760,000. Fort Hood's Pollution Prevention Plan includes opportunities to eliminate an additional 3.5 million pounds of waste per year and realize $4.6 million in savings. The State of Texas recognized the installation by accepted it in two environmental leadership programs—Clean Cities and Clean Texas Star.

MARINE CORPS—Honorable Mention

Marine Corps Base Camp Lejeune, North Carolina, established a battalion-level Hazardous Material Consolidation Center in FY 1999 with computerized tracking software, and is setting up a second center with the intention of expanding the program base-wide. Staff members hosted a new event with Marine Corps Community Services, which drew praise from the Commanding General for its partnership efforts. Camp Lejeune installed a natural gas pipeline with plans to construct a natural gas fueling station for such an alternative fueled vehicle program. They converted to less polluting fuels at all seven steam generation plants, thus reducing the emission of criteria pollutants by 1,069 annual tons and the annual permit tonnage fees by $17,000. Camp Lejeune reduced generation of hazardous waste shipped off base for disposal by 60 percent.

NAVY—Honorable Mention

Naval Station Norfolk, Virginia, has a successful pollution prevention (P2) program due to the combined efforts of the regional P2 program managers, the Norfolk Environmental Storefront Division, and the Public Works Center Environmental Operations Division. Over the last two years, the pollution prevention program decreased the demand for hazardous materials, reduced the volumes of waste requiring disposal, reduced external liability, and increased military readiness while providing the Navy a cost savings of $3 million a year.

AIR FORCE—Honorable Mention

Sheppard Air Force Base, Texas, reduced paint usage by 50 percent with electrostatic paint guns that provided payback in less than 15 months. The Base reduced emissions of volatile organic compounds by 60 percent annually through the implementation of a low VOC paint program. Sheppard runs one of the Air Force's top chemical pesticide reduction programs. Using biological control agents and best management practices, it reduced pesticide use by 85 percent. The installation increased recycling by 200 tons/year in FY 1999 as compared to FY 1997 by providing curbside recycling to 1,280 military family housing units and 800 base facilities weekly. They developed and implemented a comprehensive hazardous materials tracking and re-authorization program that reduced hazardous material authorizations by 25 percent and reduced man-hours necessary to manage the program by 12 percent.

POLLUTION PREVENTION

INDIVIDUAL/TEAM NOMINEES

ARMY—Honorable Mention

Mr. Randy A. Doyle, HQ III Corps and Fort Hood, Texas, is part of the Environmental Pollution Prevention Branch of the Environmental Programs Office at Fort Hood, Texas. His recent initiatives have included mandating 100% use of recycled antifreeze products for all tactical vehicles operating on post; inventing an efficient system for flaring gas bottles; and acquiring a state-of-the-art shredder, wash, and bale system designed specifically for Fort Hood. Mr. Doyle's efforts in lamp recycling have contributed to waste minimization goals by recycling 67,082 pounds of metal and glass and 53,893 pounds of ballasts, and diverting 14 pounds of mercury from the landfill. In addition, he has reduced the disposal of paint-related material, eliminated more than 200 parts washers, increased efficiency in use of cleaners and solvents, and virtually eliminated the generation of waste paint and solvents. Recognized by the Governor of Texas, the Texas Natural Resource Conservation Commission, the Secretary of Defense, and the White House, Mr. Doyle and the Fort Hood Pollution Prevention Program will continue to set the example for Army installations in the future.

MARINE CORPS—Honorable Mention

Mr. John Riggs and Mr. McArthur Farrow, Marine Corps Base Camp Lejeune, North Carolina, established a Hazardous Waste Consolidation Center that reduced hazardous waste generation by 60 percent. They created innovative techniques for excess fuels management and reclamation programs, and reclaimed 95,554 gallons of used oil, 48,300 gallons of antifreeze, 17,726 gallons of diesel fuel, and 28,970 gallons of oil skimmings for use as alternate fuels.

NAVY—Honorable Mention

Pollution Prevention Team, Navy Region Mid-Atlantic, Virginia, decreased demand for hazardous materials and reduced the volume of waste requiring disposal. The Team reduced the Navy's environmental liability, increasing its military readiness, and helped the Navy achieve its pollution prevention goals, while saving the Navy over $1 million annually.

AIR FORCE—Winner

Mr. Robert R. Tomlinson, US Air Force Academy, Colorado, eliminated 445 hazardous chemicals and reduced hazardous chemical authorizations by 1,555 through the elimination of duplicate cleaners, following his detailed review of hazardous materials approval actions. He spearheaded the Academy's program to change all airfield maintenance operations to low-emitting, non-hazardous cleaning solvents. Mr. Tomlinson completed the Academy's compliance site inventory with no contract assistance, saving more than $80,000. He replaced highly toxic chlorine gas used at the Academy with calcium hypochlorite solution, a non-Toxic Release Inventory substance. This not only eliminated the chlorine, but also cut the overall amount of chemical needed to do the job from 9,000 pounds of chlorine to 3,500 pounds of calcium hypochlorite. Mr. Tomlinson is a member of the Academy's Deicing Tiger Team that reduced deicer usage by 50 percent.

DEFENSE LOGISTICS AGENCY—Honorable Mention

Joint Group-Environmental Attributes Team, Defense Logistics Agency, Virginia, educated Federal employees about environmentally oriented supply items. The Team established criteria for selecting and approving environmental attributes of supply items based on three characteristics: (a) the degree to which the attribute addresses a Federal environmental policy priority; (b) its definability, i.e., the presence of standardized definitions and quantifiable criteria; and (c) its potential to offer lifecycle cost savings. To date, the Team approved four attributes, and their associated definitions, for incorporation into the Federal Logistics System database. By so highlighting environmentally friendly products, the Team has

significantly streamlined the process for identifying and promoting the use of environmentally friendly products throughout the Federal Government.

POLLUTION PREVENTION INSTALLATION JUDGES

Mr. Alan J. Felser
SAIC
Mr. Michael Leake
Raytheon
Mr. Gary Smith
US Department of Defense

PAST INSTALLATION WINNERS
POLLUTION PREVENTION

1998 Robins Air Force Base, Georgia
1998 Marine Corps Base Hawaii
1997 Robins Air Force Base, Georgia
1997 Fort Carson and Pinon Canyon Maneuver Site, Colorado
1996 Corpus Christi Army Depot, Texas
1996 Fort Lewis, Washington
1995 Robins Air Force Base, Georgia
1995 Dyess Air Force Base, Texas
1994 Kelly Air Force Base, Texas
1994 Naval Construction Battalion Center, Port Hueneme, California
1993 Tinker Air Force Base, Oklahoma
1992 Navy Aviation Depot, Florida

POLLUTION PREVENTION

WEAPON SYSTEM ACQUISITION TEAM NOMINEES

ARMY—Honorable Mention

Bradley Environmental Management Team, Michigan, developed environmental assessments and programmatic environmental, safety, and health evaluations for several Bradley vehicles. They identified hazardous materials and processes and prioritized efforts to reduce or eliminate potential harmful effects. Their efforts eliminated 3.5 pounds of methyl isobutyl ketone, 2.8 pounds of trivalent chrome, and 17.5 pounds of other identified hazardous materials per vehicle. Material substitution efforts eliminated the need for such hazardous materials as Freon 113, red oxide primer, battery acid-resistant lacquer, and Halon 1301. The Team also supported four major Research, Development and Testing Demonstration/Validation projects during FY 1998 and FY 1999.

NAVY—Honorable Mention

Virginia Class Submarine Program, Virginia, developed a Hazardous Material Map for use during maintenance, overhaul, dismantling, or use during any point in the ship's life cycle. The map identifies a material's chemical constituents and the location of those chemical constituents on the submarine. Consequential cost savings will occur from avoidance of sampling and laboratory costs associated with material disposal.

AIR FORCE—Winner

Logistics Environmental Team, HQ Air Force Materiel Command, Ohio, supports the entire Air Force by reducing life-cycle costs through innovative strategies that encourage partnerships, reduce duplication, and maximize Air Force resources. The Team's cradle-to-grave philosophy brings design, manufacturing, engineering, and sustainment communities together and encourages joint solutions to common problems across multiple weapons systems. In 1999, it performed detailed cost-benefits analyses for all existing and potential projects, ensuring that the Air Force factored environmental, safety, and occupational health considerations into the decision matrix. As the program manager for the high velocity oxygen-fuel chrome replacement project for all Air Force and Navy landing gear, the Team saved these Services $430,000 and $225,000, respectively, in 1999. Managing the hand-held laser project to strip aircraft components, the Team's efforts helped the Air Force achieve a cost avoidance of $263,000 by reducing methylene chloride use and disposal.

POLLUTION PREVENTION WEAPON SYSTEM ACQUISITION TEAM JUDGES

Mr. James Bartis
RAND
Mr. Robert Boyd
US Department of Defense
Mr. Randy C. Zittel
US Department of Defense

PAST WEAPON SYSTEM ACQUISITION TEAM WINNERS
POLLUTION PREVENTION

1998 Advanced Amphibious Assault Vehicle Team, Woodbridge, Virginia
1997 New Attack Submarine Environmental Management Team, Arlington, Virginia
1996 New Attack Submarine Program, Arlington, Virginia
1995 San Antonio Air Logistics Center, Texas
1994 Abrams Tank System, Warren, Michigan

RECYCLING

INDUSTRIAL INSTALLATION NOMINEES

NAVY—Honorable Mention

Naval Surface Warfare Center Crane Division, Indiana, increased the portions of sonobouys that it recycles, reduced the total weight of the hazardous materials in excessed electronic assemblies, achieved a paperless contracting office, and increased the recycling opportunities for metals, wood, and other waste streams from Navy ships and support facilities.

AIR FORCE —Winner

Robins Air Force Base, Georgia, operates closed loop recycling projects for both hazardous and non-hazardous waste. Using distillation equipment to separate contaminants from solvents, the Base recovered 90 percent of the reusable solvents it uses to clean paint guns. Robin's closed-loop airless vapor de-greaser eliminated hazardous waste disposal and air emissions. It recycled rags, industrial sludge, fluorescent bulbs, used oil, lead acid batteries, and nickel cadmium batteries, thereby reducing hazardous waste disposal by 611 tons in 1998. A base-wide, mandatory recycling program recycled 47 percent of the Base's waste stream and reduced solid waste disposal by 58 percent compared to the 1992 baseline. Robin's composting program diverted 100 percent of all compostable materials from landfill disposal, including 1,284 tons of yard waste. The composting program returned 25 percent of the product to the Base for reuse and sold 75 percent.

RECYCLING

NON-INDUSTRIAL INSTALLATION NOMINEES

ARMY—Honorable Mention

Fort Riley, Kansas, avoided costs of more than $193,000 in 1998 and generated revenues of approximately $360,000 though its Recycle Program. In addition, the installation processed nearly 1.7 times more standard recyclables than is expected for a community the size of Fort Riley. The installation assisted four counties, three cities, and several DoD installations in developing recycling programs. The Recycle Program leadership continues to focus future efforts on committed partnerships, aggressive marketing strategies, and improved educational awareness programs to promote recycling on the installation and in the surrounding communities.

MARINE CORPS—Honorable Mention

Marine Corps Recruit Depot San Diego, California, disposed of 2,300 tons of solid waste annually from 1996-98 through its recycling program. They disposed of 2,000 tons of solid waste in 1999 and saved $36,000 in costs for solid waste disposal, representing a 41 percent decline in solid waste disposal costs. These materials, which would have otherwise been disposed of as solid waste, were recycled resulting in revenue of $30,000. The Depot's recycling program increased recycling revenues by 665 percent and donated recyclable goods and materials to San Diego area charities and city organizations. In recognition of these accomplishments, the City of San Diego named Marine Corps Recruit Depot San Diego the 1999 Recycler of the Year.

NAVY—Honorable Mention

Naval Air Station Whidbey Island, Washington, recycled 60 percent of its waste stream in 1999 as compared to four percent in 1990. Over that 10-year period, it diverted 74 million pounds of waste materials for recycling. The Station avoided $6 million in refuse disposal costs and generated $1.4 million in recycle sales.

AIR FORCE—Winner

Grand Forks Air Force Base, North Dakota, recycled, reconditioned, and reused 200 laser jet print cartridges per month, installation-wide, and returned or sold 70 tons of used tires per year for remanufacturing or recapping. The Base recycled 100 percent of the solvent used in parts-washers, eliminating 17,000 pounds of solvent and saving $43,000 in annual hazardous waste disposal costs. Grand Forks distributed 3,500 recycling containers throughout the installation's work areas. It increased family housing recycling from 80 tons per month in 1995 to more than 114 tons per month in 1999. Grand Forks' dormitory recycling program registered a 968 percent increase in 1999 over 1992, recycling 1,413 tons in 1998 alone. The White House awarded Grand Forks the "Closing the Circle Award" in recognition of the Base's waste prevention, recycling, and affirmative procurement programs.

DEFENSE LOGISTICS AGENCY—Honorable Mention

Defense Distribution Depot Susquehanna Pennsylvania's recycling program includes 21 different items and commodities, including cardboard, paper, metals, lead-acid batteries, glass, plastics, wood, oils, and antifreeze. Through its recycling program, the Depot reduced its solid waste generation by 10,017 tons from FY 1997-99. The National Partnership for Reinventing Government designated the Depot as a reinvention laboratory. In partnership with Smurfit-Stone Container Corporation and Palletronix, Inc, the Depot developed a collapsible, reusable cardboard shipping container, called the Pollution Prevention Pack or P2 Pack, which Military customers can readily return for reuse. The Depot also initiated the use of 100% recycled content cardboard shipping boxes and innovative packaging materials such as *Sus Wrap* and *Enviromold*, which the Military can use in place of foam. The Depot won two vice presidential Hammer Awards and a White House Closing the Circle Award in recognition of its recycling program.

RECYCLING

INDIVIDUAL/TEAM NOMINEES

ARMY—Honorable Mention

Mr. Richard L. Lucas, Sr., US Army Training Center and Fort Jackson, South Carolina, has made significant positive changes as Business Manager of Fort Jackson's Recycling Center. Since 1996, the Recycling Center has had a 200% increase in the recyclable material recovered, a 28% increase in production capability, and a 76% reduction in the time required for recycling activities. Mr. Lucas has helped increase revenues by more than 8% through sales of both recyclable and recycled material. Additionally, his efforts at procuring grants and environmental funding have saved Fort Jackson approximately $500,000.

MARINE CORPS—Winner

Ms. Suzanne Smith, Marine Corps Recruit Depot San Diego, California, revamped the Solid Waste and Recycling Programs at the Depot. She recruited help to: pickup and drop off bins; sort, bale, and package hundreds of tons of recyclable materials; sell or find innovative uses for materials; partner with the community; and advertise the recycling program through awareness training. In 1997 and 1998, the Depot had recycled 500 tons of goods and materials annually. Ms. Smith led the effort to recycle 650 tons in 1999. She increased the total recycling revenue by 665 percent, from $4,300 in 1998 to $28,600 in 1999. She achieved this reduction in solid waste disposal costs and increase in recycling in seven months.

NAVY—Honorable Mention

Mr. Awni M. Almasri, US Naval Support Activity Bahrain, established the Activity's first recycling program by developing instructions and protocols to implement and manage recycling of aluminum, paper, tires, scrap metals, and other valuable commodities. Mr. Almasri reduced hazardous waste disposal by over 50 percent that resulted in a cost avoidance of $500,000.

AIR FORCE—Honorable Mention

Mr. William Meinerding, Wright-Patterson Air Force Base, Ohio, as the base Qualified Recycling Program Manager, built a used-oil recovery center and collected more than 36,000 gallons of used oil. He contracted with a company to recycle 196,000 pounds of lead acid batteries, avoiding $137,000 in hazardous waste disposal costs, and generated $6,000 in revenues. Mr. Meinderling renegotiated the Base's solid waste contract, saving $300,000. He established Wright-Patterson's "Major Curbside Award" program, encouraging military family housing residents to recycle. Mr. Meinderling won the 1998 League of Ohio Sportsmen and National Wildlife Federation "Litter Prevention and Recycling Conservationist Award."

DEFENSE LOGISTICS AGENCY—Honorable Mention

Demanufacturing Team, Defense Reutilization and Marketing Service, Defense Logistics Agency, Michigan, identified ways to maximize the reuse and recycling, and safe disposal, of excess electronics equipment. Much of this equipment contains hazardous components that the scrap industry cannot easily recycle and does not always dispose of properly. Military activities generating these components are often unaware of the materials inside and, increasingly, these components were appearing in contaminated civilian sites. The Team developed a hybrid contract vehicle that contains elements of both sales and procurement, through which it awarded task orders for the pickup and demanufacturing of electronic scrap Nationwide. DoD and the public have benefited significantly from this effort. For example, Defense Reutilization and Marketing Service contractors: (a) processed responsibly and recycled, or disposed of, 15 million pounds of electronic items as hazardous waste; (b) removed and properly disposed of 30 thousand pounds of batteries, mercury switches, and similar articles; and (c) destroyed and recycled two million pounds of material requiring demilitarization.

RECYCLING JUDGES

Mr. David Conover
United States Senate Staff
Ms. Jean Shorett
Pacific Northwest National Laboratory
Ms. Debra Yap
General Services Administration

PAST INSTALLATION WINNERS
RECYCLING

1998 Hill Air Force Base, Utah
1998 Marine Corps Base Camp Lejeune, North Carolina
1997 Robins Air Force Base, Georgia
1997 Naval Station San Diego, California
1996 Marine Corps Logistics Base, Barstow, California
1996 McChord Air Force Base, Washington
1995 Tobyhanna Army Depot, Pennsylvania
1995 Naval Station San Diego, California
1994 Seymour Johnson Air Force Base, North Carolina

ENVIRONMENTAL CLEANUP

INSTALLATION NOMINEES

ARMY—Honorable Mention

Fort Campbell, Kentucky's Installation Restoration Program gained considerable momentum in 1998 and 1999, closing 109 sites and implementing management strategies that will considerably reduce the cost of future cleanup activities. One of the installation's most successful strategies has been the development of strong relationships among the installation, regulators, contractors, program executors, FORSCOM, and the surrounding community. These relationships have allowed Fort Campbell to effectively prioritize and plan its program through the development of a coordinated Installation Action Plan. In the last two years, this plan has reduced Fort Campbell's cost-to-complete by $46.5 million, with expenditures of only $12 million.

MARINE CORPS—Honorable Mention

Marine Corps Air Station Cherry Point, North Carolina, embraced innovative and effective partnering, information management, investigation, and clean-up techniques. It gained acceptance of its activities by both the public, through extensive community outreach programs, and the command, through ongoing commitment to the mission of the Air Station and its tenant activities. Cherry Point expanded the environmental geographic information system to include comprehensive data on all environmental areas of interest in each cleanup program. It embraced innovative technologies, such as horizontal drilling, hydraulic push, enhanced bioremediation, and electronic document and web technologies.

NAVY—Honorable Mention

Naval Weapons Station Yorktown, Virginia, used innovative technologies in the remediation of its Installation Restoration sites to achieve cleanup cost savings of $2 million. Of the 11 sites investigated to date, three have used active biological treatment as a cleanup remedy and five are using natural attenuation to address residual contamination. The Station reestablishes each site with indigenous habitat as part of its restoration strategy. These approaches saved the Station $1 million by removing the sites from the Remedial Investigation process.

AIR FORCE—Winner

Elmendorf Air Force Base, Alaska, will complete remedial construction by 2005, nine years before the Air Force goal of 2015. Using state of the art technology, the Base extracted more than 8,710 pounds of volatile organic compounds at a cost of $36.73 per pound. It processed more than 155,923 gallons of contaminated groundwater and saved $1.1 million by working collaboratively, with regulators and community members, to shutdown one ground water treatment system 11 years early. Using existing ground water modeling and monitoring systems, along with natural attenuation and cleanup of contaminated groundwater in its engineered wetland complex as a foundation, Elmendorf negotiated a preliminary agreement with the State of Alaska to develop a presumptive remedy approach for groundwater cleanup of future spills. This approach will provide faster response at lower cost.

ENVIRONMENTAL CLEANUP

INDIVIDUAL/TEAM NOMINEES

ARMY—Honorable Mention

Mr. Krishna Ganta, US Army Materiel Command, Virginia, managed the $240 million annual environmental restoration program for Headquarters, Army Materiel Command (AMC), and reduced the cost-to-complete for various cleanup programs and established means of meeting or exceeding defense planning goals. Mr. Ganta has been a leader in implementing AMC's strategy for achieving environmental restoration at all AMC sites listed in the Defense Site Environmental Restoration Tracking System and not classified as "response complete." These sites represent 68% of the total number of active Army sites listed. He also provided leadership and management oversight to cleanup at installations. In 1998, Mr. Ganta implemented AMC's environmental cleanup strategy, which will allow Major Subordinate Commands to meet or exceed the Army goals for completing environmental restoration at installations. Mr. Ganta's achievements clearly reflect his vision, strategic focus, managerial acumen, and strong organization skills.

MARINE CORPS—Honorable Mention

Land Use Controls Assurance Team, Marine Corps Base Camp Lejeune, North Carolina, signed a Memorandum of Agreement for Land Use Controls with EPA Region IV and the North Carolina Department of Environment and Natural Resources, enabling the protection of human health and the environment by using remedial solutions according to land use categories. The resulting Land Use Controls Assurance Plan enables Camp Lejeune to use land use controls as a viable alternative when seeking final decision documents, and it provides EPA and the State assurances that the Camp is using these controls effectively. This has increased stakeholder involvement, regulatory coordination, and cost avoidance. Implementation of land use controls saved Camp Lejeune $1.3 million at one site alone.

NAVY—Winner

Naval Weapons Station Yorktown, Virginia, Used innovative technologies to save the Station $2 million in cleanup costs. Their proactive approaches, such as limited sampling efforts, desktop evaluations, and housekeeping activities at Areas of Concern, saved $1 million by removing the sites from the Remedial Investigation process. Based on the cost savings achieved to date, the Team will save $10 million in total the cleanup costs for the Station.

AIR FORCE—Honorable Mention

F.E. Warren Air Force Base Team, Wyoming, successfully integrated a variety of diverse disciplines to complete an intensive nine-month fast track overhaul of the base's cleanup program. The Team led the Air Force Space Command in planning, executing, and obligating $11.6 million, with only $2.5 million needed in investigation. Over the last two years, the Team has made it possible for the Base to execute more than $10 million in cleanup projects, the best in the program's 15-year history.

DEFENSE LOGISTICS AGENCY—Honorable Mention

Third Party Site Program Team, Defense Reutilization and Marketing Service, Defense Logistics Agency, Michigan, developed an excellent program to deal with the role of being a "Potentially Responsible Party at Third Party Sites" and to minimize liability under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). The Team fostered good working relationships between DoD and the Department of Justice that facilitate quick resolution of CERCLA settlements and cleanups. Currently there are 50 active sites, 30 inactive sites, and 205 closed sites. At the Eastern Surplus Superfund Site in Maine, the Team reached one of the fastest agreements ever with EPA concerning how DoD could accomplish a final cleanup. At the Ginn Third Party Site in North Carolina, the Team enabled the Defense Reutilization and Marketing Service (DMRS) to effect a cleanup within 30 days. Because of

the Team's efforts, the DRMS has made great progress in the last two years by closing 80 Third Party Sites.

ENVIRONMENTAL CLEANUP JUDGES

Mr. Cynthia Brooks
Greenfields International
Mr. Peter K. Levine
United States Senate Staff
Mr. Greg Snyder
US Environmental Protection Agency

PAST INSTALLATION WINNERS
ENVIRONMENTAL CLEANUP

1998 Naval Air Engineering Station Lakehurst, New Jersey
1997 Riverbank Army Ammunition Plant, California
1996 Naval Air Station North Island, San Diego, California
1995 Naval Air Station Cecil Field, Florida
1994 Naval Air Station Whidbey Island, Washington